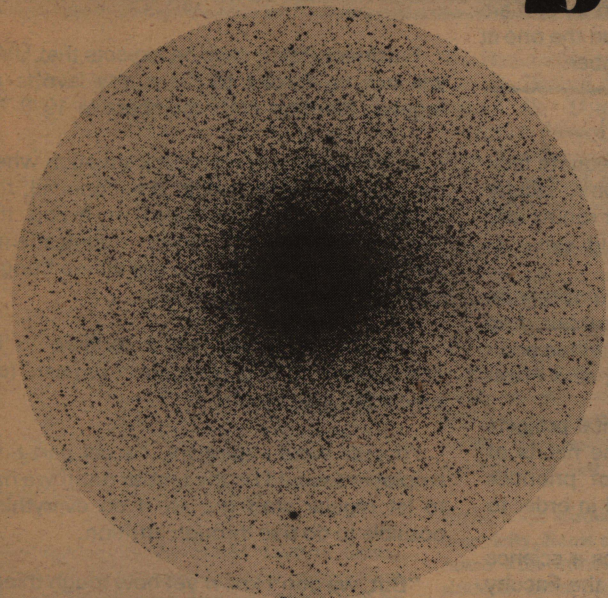


the Ring



"It is very vulgar to talk like a dentist when one isn't a dentist. It produces a false impression."

— Oscar Wilde in *The Importance of Being Earnest* (1895)

Volume 4, Number 1, January 11, 1977

University of Victoria

UVic astronomer awarded top NRC fellowship

By Donna Danylchuk

Dr. F.D.A. Hartwick (Physics) has received the most prestigious award made annually by the National Research Council to outstanding young scientists.

When the notice of his award was mailed to Hartwick from Ottawa Dec. 2, the 36 year-old UVic astronomer was in Chile observing stars in the Magellanic Clouds, the two nearest galaxies to our own.

Not until he returned to Victoria later in the month did he learn that he had won the 1978-79 E.W.R. Steacie Memorial Fellowship, created in honor of the man who was president of the NRC from 1952 to 1962.

Up to two Steacie Fellowships are awarded annually. This year out of 21 nominations to the NRC, one fellowship was awarded to Hartwick and another to Dr. W.R. Peltier of the department of physics at the University of Toronto.

The fellowship will free Hartwick from classroom teaching for one year beginning in July, 1978, to enable him to devote his time to pure research while his university salary is paid by the NRC.

When interviewed shortly after returning to Victoria, Hartwick had not yet seen the citation accompanying his award, but he suspected it would enable him to continue his current research into older stars.

Hartwick is one of a very small number of astronomers in Canada who are studying older stars in our own galaxy and galaxies next to our own.

The galaxies he is concentrating on besides our own are the Magellanic Clouds, and the Andromeda galaxy which is usually observable around December from Victoria.

To observe the Magellanic Clouds, Hartwick must travel to Chile to use the powerful telescope installed three years ago at the Cerro Tololo Observatory.

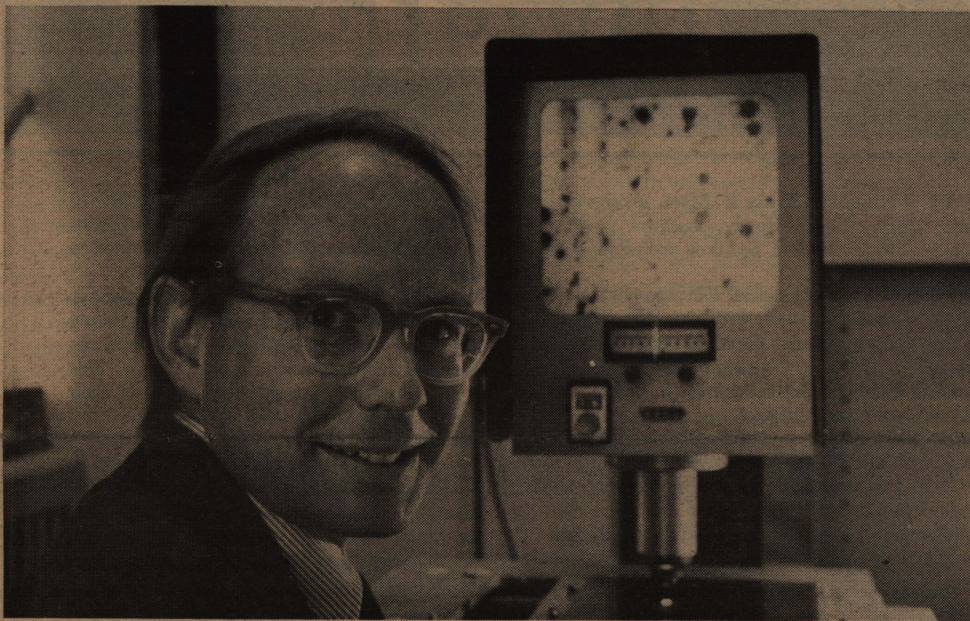
"It has been very difficult up to now to study individual stars in the Magellanic Clouds in the southern hemisphere, but this has changed with the installation of the four-meter telescope at Cerro Tololo, and also with the installation of a new large telescope in Australia," he said.

Hartwick also observes older stars through telescopes at Mount Palomar in California and at Kitt Peak in Arizona.

He has been studying older stars since he came to UVic in 1968. To date, he has made 12 trips to Chile, mainly in the summers when classes are not in session. The fellowship will enable him to travel as necessary for the advancement of his research.

Hartwick said that he studies older stars with the idea of learning something about the conditions in the early universe left over after the "Big Bang".

The Big Bang, he explained, is the name



Hartwick: studying stars he observed in Chile on the UVic iris photometer

given to the currently accepted theory of how the universe began.

"Essentially, the theory is that all the matter in the universe was once contained in a very hot, highly condensed, concentrated point, 10,000 times hotter than the centre of the sun which is known to be in the order of 10 million degrees Fahrenheit.

"It exploded, then expanded rapidly and cooled and as it did so we believe that some of the lighter weight elements like helium were formed, and somewhere along the line galaxies and clusters of galaxies condensed out of this expanding universe, and stars were formed out of these galaxies.

"The idea is to discover the ages of these stars, which will say something about the time lapse since the Big Bang. We also want to know something about the chemical composition of the stars, in order to say what conditions would have been like very early on."

Hartwick said that the stars he is interested in occur in globular clusters which are composed of from 100,000 to 1,000,000 stars. Our own galaxy has 150 of these clusters which surround the outer edges of the galaxy at distances of from 15,000 to 100,000 light years from the sun.

The clusters being studied by Hartwick in the outer galaxies may be from 150,000 to 2,000,000 light years away.

He said that all stars in a cluster are thought to be of approximately the same age, and the most massive star in a cluster provides clues to that age.

It is standard information, he explained, that the most massive, luminous stars use up their fuel relatively quickly, whereas low mass stars don't use up their fuel as fast.

"It is thought that when most stars have

used up the fuel at their centre they no longer will have anything to burn, so will contract and in doing so, may lose mass and end up as white dwarfs. These are compact stars of high density which just keep getting cooler and cooler."

Hartwick pointed out that stars vary vastly in age.

The sun, he said, is thought to have formed later on after the evolution of our

galaxy and is a relatively young star with an age of about 4½ billion years. The universe itself is thought to be as old as 15 billion years.

Very young, massive stars may be 50 to 60 times the mass of the sun, compared to older stars which are liable to be only .7 to .8 times the size of the star at the centre of our solar system, he added.

Another attribute of the older stars the astronomer is studying is that they are thought to be low in heavy element abundances such as iron.

As stars evolve, he explained, they convert hydrogen and helium into heavier elements, then explode and contaminate the material of the next generation of stars with even heavier elements.

Thus, about two per cent of the mass of the relatively young sun is heavier than hydrogen and helium, whereas in older stars the percentage is .02 per cent, he said.

Hartwick exhibited some of the steps he follows in his work with a photographic plate of the 47 Tucanae, a relatively conspicuous star cluster only visible from the southern hemisphere.

(See photo above, inside *The Ring*)

He photographed the cluster at the Cerro Tololo observatory, and then picked out individual stars to be measured for brightness and color. These measurements can be made either at the site of the observation, or here at UVic.

(Continued on page 2)

Decision delayed on theatre building

Province approves projects

UVic has been authorized by the provincial government to develop plans for a law building and proceed with the fourth wing of the Clearihue and facilities for visual arts at estimated costs of \$4,054,000 and \$510,000, respectively.

The Universities Council of British Columbia (UCBC) recommended the buildings for capital funding at its December meeting. Discussion of a new building for the department of theatre has been postponed, pending further study.

The call for tenders for the Clearihue addition went out last week. They will be opened Feb. 9.

UVic submitted its building priorities to UCBC in 1976, in a five-year plan which placed the building for the department of theatre second in its priority list for new buildings following the Clearihue addition and ahead of buildings for law and visual arts.

However, because of reservations about the facility for the department held by some members of UCBC, the council was request-

ed by President Howard Petch to give immediate approval to the facilities which met its current funding criteria.

UVic administrators requested by letter in early December a clarification from UCBC on the concerns regarding the academic theatre facilities.

In reply, the acting chairman of the UCBC committee on capital planning and development has written to inform UVic that the council will discuss the plans for the department of theatre early in the new year.

The letter from UCBC explained that it may be necessary to discuss the buildings for the department at a special meeting which would include participation by members of the drama community.

The department of theatre is now located on the fringe of campus, near the McKenzie Avenue entrance, in former army huts, built more than 30 years ago as temporary buildings for troops.

A new academic building for theatre

(Continued on page 2)

Hartwick (Continued)

When Hartwick makes the measurements at UVic, he uses the iris photometer, a device especially designed to measure the magnitude and colors of stars on photographic plates, located on the top floor of the Elliott Building.

The usual procedure, he said, is to determine the brightness and magnitudes of a few stars at the observatory site, then bring these measurements back to UVic to be used as standards against which the other stars in the cluster can be measured.

As well as measuring the brightness and magnitudes of the stars he is studying on the iris photometer, Hartwick makes models of them on the UVic computer in the basement of the Clearihue Building.

"We can evolve the stars on the computer, then compare the theoretical way in which a star evolves with the clusters we observe and photograph. In that way, we deduce the ages of the stars," he said.

Asked how certain astronomers can be about the accuracy of the Big Bang theory, Hartwick said that the theory gained support in 1965 when the discovery was made at the Bell Labs in New Jersey, United States, that the universe is permeated by a background radiation of 3 degrees above absolute zero, which is equivalent to -270°C.

This temperature is so cold that the photons have to be detected by radio telescope, in a different part of the spectrum, he said.

The discovery turned the favor to the Big Bang theory, he explained, because the only way to explain such cold temperature now existing everywhere between the stars and the galaxies is that it is the remnant of cooled radiation after the explosion.

One of the major questions astronomers are asking now, he continued, is whether the universe is going to expand forever and become even cooler, or will the universe stop expanding and begin to contract and return to a single, concentrated point and maybe repeat the Big Bang process?

Present evidence suggests that the universe will continually expand, but this is by no means a closed question, he said.

"We definitely have to worry about the origin, if it was a one shot affair," he replied to a question about the origin of the single, concentrated point.

"And, one can still ask what happens at minus infinity," he said.

But science, he stated, deals with what can be observed.

Applicants for the Steacie Fellowship do not apply on their own, but must be nomi-

nated by heads of departments in Canadian universities.

The nominations are accompanied by names of three referees who are experts in the field of research of the nominee, and are members of universities other than the one at which the nominee is a staff member.

Buildings (Continued)

would replace overcrowded, inadequate facilities and would include classrooms, faculty offices, a workshop area, seminar rooms and two small auditoria which would serve as laboratories for theatre students.

The building for the department of theatre remains as this university's number two priority project, following the Clearihue addition for humanities departments, said President Petch.

"However, since all of our capital projects are urgently required to meet the needs of existing programs, the matter of priorities had to be temporarily overlooked in order to make some progress," he said.

The five-year plan also includes a science building and a building to house the Faculty of Human and Social Development, a general multi-purpose building with classrooms and offices and a fund for major renovations of existing facilities.

Petch expects no staff cuts

President Petch says he expects that UVic will not be forced to make any layoffs of regular, full-time staff members in 1978-79.

In anticipation of a cutback situation when the new operating budget is announced, the executive council has been reviewing the 1977-78 budgets of every non-academic department on campus to see where budget cuts can be made if necessary.

The university will try to adhere to its principle of making no cuts in regular, full-time staff, said Petch.

"If cuts were necessary, casual part-time employees would be the first to go. If we had to let regular staff go, we'd do everything possible to do this through attrition.

"But, we don't know yet how tough things will be this year. As usual, I am optimistic that we will be able to work everything out satisfactorily, in spite of the tight budget."

gazette

The Board of Governors reports the following actions taken on Dec. 19th, 1977:

New Appointments - Faculty

Paul M. Baker, B.A. (UVic), M.A., Ph.D. (Univ. of Minnesota), Ottawa, Ontario, appointed assistant professor, Department of Sociology, effective July 1, 1978 to June 30, 1980.

Special Appointments

Leonard Laudadio reappointed chairman, Department of Economics, effective July 1, 1978 to June 30, 1981.

John Michelsen appointed chairman, Department of Philosophy, effective July 1, 1978 to June 30, 1981.

R. Michael Pearce reappointed chairman, Department of Physics, effective July 1, 1978 to June 30, 1983.

Gordon N. Hobson reappointed chairman, Department of Psychology, effective July 1, 1978 to June 30, 1983.

James Cutt, appointment as Acting Director of the School of Public Administration, extended for the period January 1, 1978 to March 31, 1978.

New Appointments - Administrative and Academic Professional

Charles Gallagher, B.S. (Columbia), M.A. (The New School for Social Research), Victoria, B.C., appointed analyst/statistician, Institutional Analysis, effective Jan. 15, 1978, for the usual probationary period.

D. Cledwyn Thomas, B.A. (Wales), London, Ontario, appointed director of Records Services, effective Jan. 25, 1978, for the usual probationary period.

Study Leaves

The following faculty members were granted study leave in 1978-79 in accordance with the university study leave policy:

Terry D. Johnson, Communication and Social Foundations in Education.

Ronald E. Tinney, Psychological Foundations in Education.

Leaves of Absence - Cancellations

The following leaves of absence, without pay, as approved by the Board of Governors on November 21, 1977, were cancelled:

Olivier M. Abrioux, professor, Department of French Language and Literature.

David L. Jeffrey, associate professor, Department of English.

Extension of Leave of Absence Without Pay

Alan R. Dobell, professor and director, School of Public Administration: Leave of absence without pay extended from Dec. 31, 1977 to June 30, 1978.

Reappointments - Faculty

The following faculty members were reappointed according to the rank shown for a two year term, effective July 1, 1978:

Faculty of Arts and Science: Kathleen A. Mooney, assistant professor, Anthropology; Donald G. Ferguson, assistant professor, Economics; John D. Cox, assistant professor, English; Robert E. Pfister, assistant professor, Geography; J. Terence Morley, assistant professor, Political Science.

Faculty of Education: Kerry C. Quorn, assistant professor, Communication and Social Foundations; John J. Jackson, assistant professor, Physical Education.

Faculty of Fine Arts: Bruce E. More, assistant professor, Music; Linda Hardy, assistant professor, Theatre; Mowry Baden, assistant professor, Visual Arts.

Faculty of Human and Social Development: Kathleen L. Maxwell, assistant professor, Nursing.

Faculty of Law: James C. MacPherson, assistant professor; Mary Anne Waldron, assistant professor. School of Public Administration: J. Barton Cunningham, assistant professor.

Fourth Wing Clearihue Building

The Board of Governors authorized arrangements for calling tenders for the construction of the fourth wing of the Clearihue Building.

Appointment of Architect - Visual Arts Facilities

The Board of Governors authorized the engagement of the firm of Peterson and Lester, Architects, as prime consultants for the visual Arts facilities.

The Senate reports the following proceedings from the 147th meeting which was held on Dec. 7, 1977.

Duplicate Essays

After considering a report from the committee on teaching and learning, the Senate approved the following as a university regulation: An essay or assignment to be submitted for two courses is acceptable only when both instructors have been informed of the student's intention to submit a duplicate essay or assignment and both instructors have given their written permission to the student.

Report on Grading

The Senate considered at some length recommendations put forth by the committee on teaching and learning in a report on grading. Amendments were made from the floor and the motions shown below were adopted and subsequently were referred to the Senate ad hoc committee on the Calendar.

That instructors should give corrective comments on all assigned work submitted except final examinations.

That the instructor give corrective comments on a final examination, if requested to do so by the student.

That instructors normally return all student work submitted that will count toward the final grade (except final examinations).

That students be given access to their own final examinations (questions and answers), on request to their instructors.

That a student be allowed to purchase a xerox copy of the examination (the questions and his answers). Examination questions may be withheld by the instructor, with the agreement of the chairman.

That departmental chairmen inform all instructors (including sessional appointees and teaching assistants working in their departments)

i) of evaluation and grading practices acceptable at the University of Victoria (viz. the nine-point pass system and the Senate regulations governing assessment techniques), and

ii) of the techniques of evaluation and grading that are used by that department. That all initial appointees to the University of Victoria be sent at the time of appointment, a

copy of the nine-point pass system (1977-78 Calendar, p. 14) and the Senate regulations governing assessment techniques (contained in the Faculty Handbook).

The Student Handbook and the Calendar should contain a section near the beginning that describes in detail all the various avenues of appeal that exist within the university. This section should be listed in the index of each book. Each student, then, will receive each year a document that describes the various avenues of appeal that exist, including direct discussion of problems with the professor involved and other avenues of redress such as departmental chairmen, deans of faculties, the Senate committee on appeals, the student faculty-liaison committee or appropriate committee, an ombudsman (if one is approved and hired), and formal or informal appeal to the president.

That the university, by a Calendar entry, formally encourage students who feel unjustly treated within the university to seek all avenues of appeal stated in the previous motion.

That the draft of the section on appeals of the student handbook and the Calendar should be submitted to a Senate committee for editorial suggestions before publication.

That the first section of the Calendar entry entitled "Grading System" (page 14) be changed to read:

Undergraduate Grading System

Grade	Grade Point Value	
A+	9	First Class
A	8	
A-	7	Second Class
B+	6	
B	5	
B-	4	Pass
C+	3	
C	2	Marginal Pass
D	1	

Interfaculty Course Overlap

The Senate considered four recommendations put forward by the Committee on Academic Standards in regard to interfaculty course overlap of content, made a few minor amendments and then adopted the following:

- 1) That faculties review those courses in other faculties for which they grant credit and in cases where considerable inter-faculty overlap is discovered they consider proposing that the similar courses may not both be taken for credit towards the same degree.
- 2) That in cases where course titles and descriptions suggest to the reader of the calendar there may be substantial overlap of content, faculties consider retitling and redescribing the courses to reflect the differences.
- 3) That all faculties employ forms for the submission of course proposals to Senate which include indication of possible overlap in content and designation of courses which may not be jointly counted for credit towards the same degree.

- 4) That consultation between faculties be encouraged by having all faculties adopt the practice of sending copies of curriculum submissions to the dean of other faculties for information and comment prior to their submission to the faculties.

Credit For College Courses Offered in Secondary Schools

A proposal from the committee on academic standards concerning college courses offered in secondary schools was referred to the faculties for comments.

Annual Reports

Annual reports were received with thanks from the committee on admission and re-registration, the committee on committees and the committee on the university budget.

Motion Rescinded

A motion adopted on Sept. 14 concerning procedures for the appointment of the vice-president and the deans of the faculties (which inserted in the procedures a clause to the effect that search committee members be encouraged to consult extensively amongst their constituents) was rescinded and it was noted for the record that the existing appointment procedures were interpreted as permissive with reference to consultation with faculty colleagues by search committee members concerning candidates under consideration.

Motion Concerning Transcripts

A motion carried forward from an earlier agenda to be considered at the same time as the report on grading and which provided that Senate require each transcript to show, for each course section, the section average and the number of students in the section in addition to the individual grade, was defeated.

Membership in the Faculty of Arts and Science

By adopting a recommendation put forward by the Faculty of Arts and Science, the Senate granted to all persons who hold regular, full-time appointments in the Faculty of Arts and Science membership in the faculty with the right to participate in meetings and proceedings of the faculty as voting members.

Co-operative Education Program in Mathematics

The Senate approved a recommendation from the Faculty of Arts and Science that a co-operative education program be established in the Department of Mathematics.

Student Representation on the Senate and the Board of Governors

On a motion made by two student senators, Senate reaffirmed its commitment to the maintenance of student representation on the Senate and the Board of Governors.

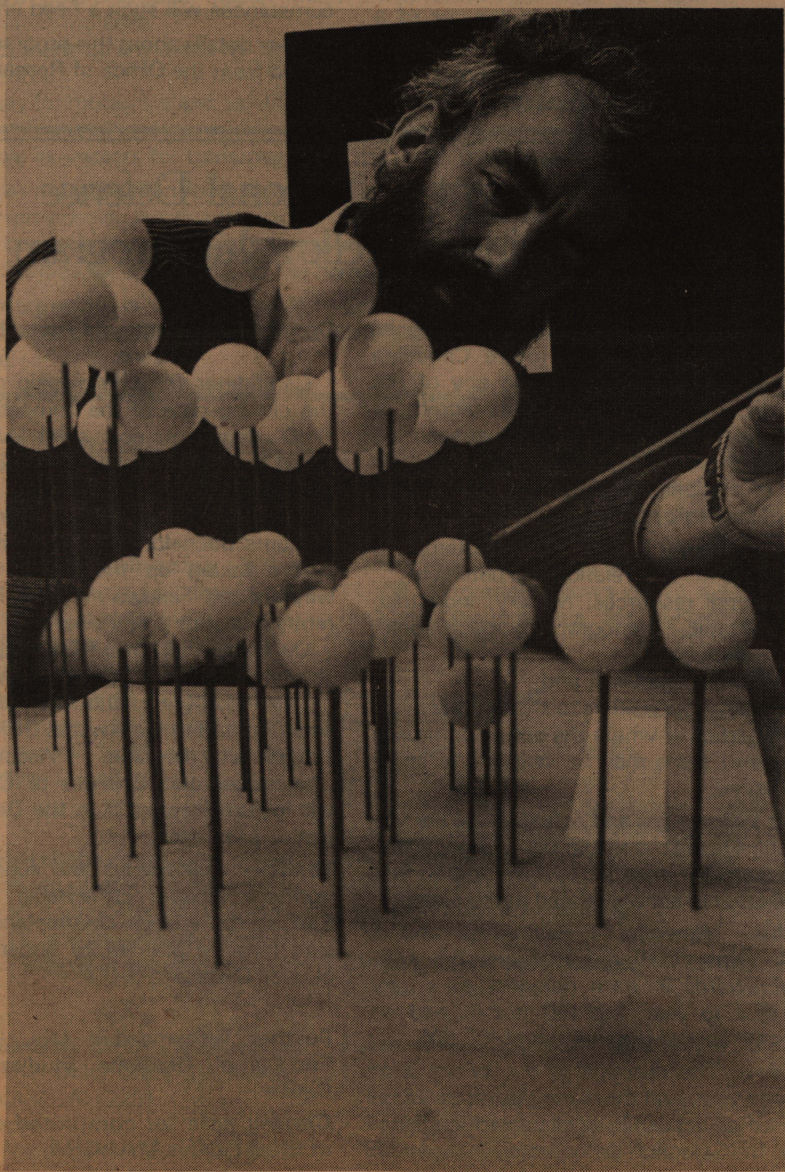
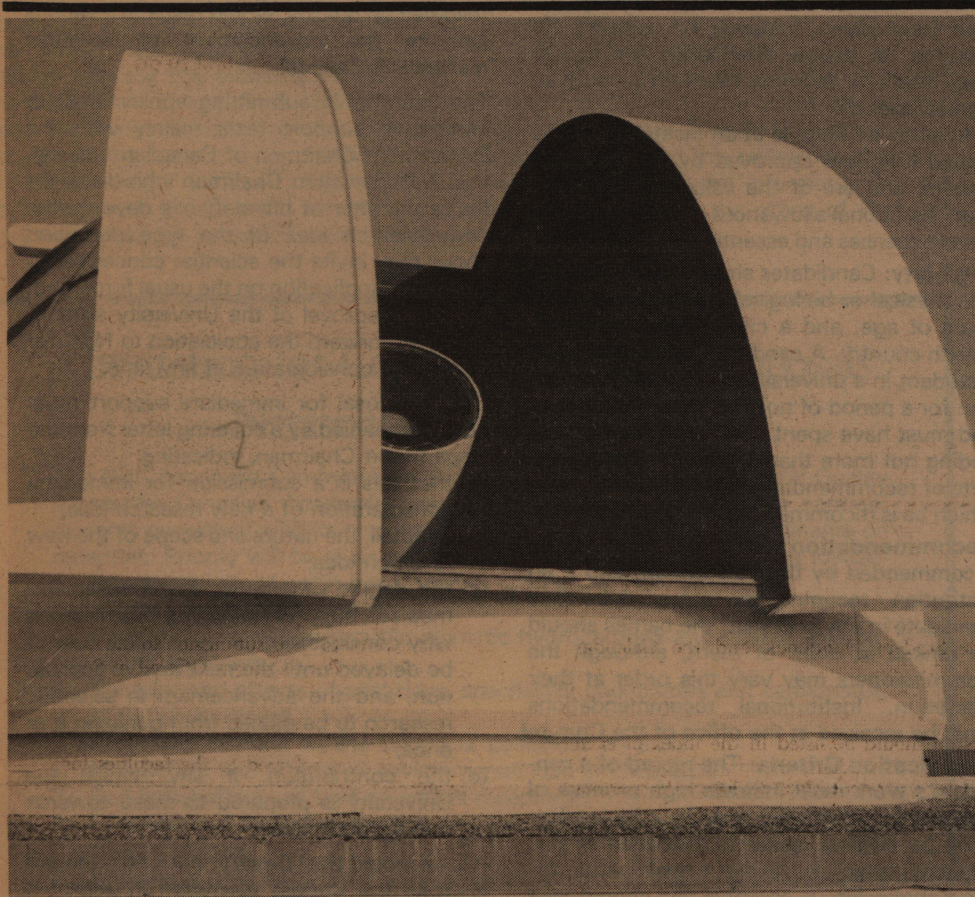
Calendar Regulations

A proposal that there be a general review of all university Senate regulations with a view to removing any potential inconsistencies and/or ambiguity was referred to the Senate ad hoc committee on the Calendar.

Format of Diploma for M.P.A. Degrees

A change in the format for the diploma for the degree of Master of Public Administration was approved. This was found necessary because the joint council for professional programs, which was the former recommending body for M.P.A. degrees, had ceased to exist.

Scholarships and Grants



**Information from the office of Research
Administration, University Centre**

International Development Research Centre

The International Development Research Centre offers 10 awards for research in the field of international development for tenure in a developing country during 1978-79.

Thesis Research Awards — Ph.D. Degree for Canadian Students.

Award Value Stipend

Stipend	\$6,000 - \$8,500.
Return travel to place of tenure	variable
Field trip costs	\$1,000. maximum
Research costs	\$1,000. maximum
Travel costs for thesis supervisor	\$2,000. maximum

Eligibility

Applicants must be graduate students who by the date of commencement of the award, will have completed all requirements for the Ph.D. Degree except the thesis. All applicants must be Canadian citizens.

Research Areas

Any area of research dealing with international development.

Tenure

Normally in a developing country; to be taken up before January, 1979. Renewal is possible for two additional years.

Application Procedures

Please contact Mrs. Pat Rhodes, Faculty of Graduate Studies regarding application procedures. Applications must be submitted by **January 31, 1978** to the International Development Research Centre.

Thesis Research Awards — Ph.D. Degree for students from Developing Countries.

Award Value

Stipend	variable
Return travel to place of tenure	variable
Field trip costs	\$1,000. maximum
Research costs	\$1,000. maximum
Travel costs for thesis supervisor	\$2,000. maximum

Eligibility

Applicants must be graduate students from a developing country in Canada on a student visa, must have completed all requirements for the Ph.D. except the thesis before the commencement of the award, and must intend to return home after completion of tenure.

Research Areas

Any area of research dealing with development.

Tenure

Normally in a student's home country; to be taken up before January, 1979. Renewal is possible for two additional years.

Application Procedures

Please contact Mrs. Pat Rhodes, Faculty of Graduate Studies regarding application procedures. Applications must be submitted by **Jan. 31, 1978** to the International Development Research Centre.

1978-79 Visiting Fellowships in Canadian Government Laboratories for Research in Science and Engineering

The government of Canada offers fellowships for 1978-79 on behalf of the following Canadian Government Departments and Agencies:

Agriculture Canada,
Department of Communications and Communications Research Centre,
Department of Energy, Mines and Resources,

Department of Fisheries and the Environment; Atmospheric Environment Services, Environmental Management Service, Canadian Forestry Service, Inland Waters Directorate, Lands Directorate, Fisheries and Marine Service, Fisheries Management, Ocean and Aquatic Sciences

Health and Welfare Canada; Health Protection Branch, Food Directorate, Environmental Health Directorate, Drug Directorate, Laboratory Centre for Disease Control, Environmental Health Directorate

National Museums of Canada, Museum of Natural Sciences

National Research Council of Canada
Atomic Energy of Canada Limited

General Qualifications: An applicant should possess a doctorate degree from a recognized university or expect to obtain such a degree before taking up an award. A candidate with a master's degree, or equivalent experience, together with a demonstrated capability for conducting successful independent research, can be considered. Although there are no restrictions limiting the nationality of applicants, successful candidates must be either Canadian citizens, landed immigrants residing in Canada or applicants capable of meeting all Canadian

immigration requirements. Applicants must not have reached their 36th birthday at the time of application.

Stipend: Fellowships are \$12,300, but the stipend is currently under review and will likely be higher than at present. The stipend is subject to Canadian income tax.

Tenure: Appointments are made for one year; renewals for a second year are possible in some departments. An appointment may be taken up at any time within the calendar year in which the award is made but preferably before 31 December. Only under exceptional circumstances, can an appointment be taken up beyond that date.

Travel: An allowance will be provided towards the cost of travel between the place of residence at the time the award is made and the laboratory at which the award is to be held. The basis of payment is economy airfare; a further allowance will be paid to a married Fellow when accompanied by a husband or wife and children. There is no allowance for the cost of transporting excess baggage or the removal of household effects. If the cost of travel or part of it is provided by some other organization, our allowance will be reduced accordingly. A similar allowance will be made for return travel to enable the Fellow to return to his home address at the time of the award.

Applications: Applications and supporting documents should be received in Ottawa not later than Jan. 15, 1978. If possible, successful candidates will be notified by 1 April.

Further information and application forms are available from Mrs. Mae Peters, office of Research Administration, University Centre, Local 4896.

NRC Immediate Support for New Research Ideas

Occasionally, during the course of his investigations, a scientist develops a new and exciting concept in his field of research but is unable to obtain immediately the funds necessary to pursue it. In order to assist

Research Scholarships in Pure and Applied Science Offered to Overseas Universities

The Royal Commission offers nine post-graduate scholarships each year to enable selected students of overseas universities, who have given evidence of capacity for research, to devote themselves for two or three years to full-time research in pure or applied science.

Awards are tenable at an institution in the United Kingdom approved by the Commissioners, and are of the value of £2000 per year. Additional allowances may be made for travel expenses and essential university fees.

Eligibility: Candidates should be students in the physical or biological sciences, under 26 years of age, and a citizen of a Commonwealth country. A candidate must have been a student in a university or university institution for a period of not less than three years, and must have spent one full academic year ending not more than 12 months before the date of recommendation at the institution by which he is recommended.

Recommendation: Candidates must be recommended by their institution, and if an institution recommends more than one candidate in any one year, the names should be ranked in order of merit, although the Commissioners may vary this order at their discretion. Institutional recommendations must be received at the office of the Com-m

Adjudication Criteria: The record of a candidate's work must indicate high promise of capacity for advancing science or its applications by original research. Evidence of this capacity, which is the main qualification for the Scholarship, is essential and should take the form of a full account by the candidate of the research work he has done. This may be either in the form of publications, or of a thesis, or of manuscript reports.

Further Information: Please contact Mrs. Pat Rhodes, Faculty of Graduate Studies.

investigators to follow up new concepts of research, NRC has instituted an arrangement whereby applications for support of new research ideas may be submitted at any time of the year, and if the proposal is considered worthy, it will be supported with a minimum of delay, within the limits of available funds.

These awards are not renewable as such. They are intended to provide sufficient funds to enable an investigator to follow up a new research idea immediately, but once such an award has been provided, the recipient should include all further requirements for pursuit of the new research in his annual application for an operating grant.

In order to qualify for immediate consideration, a proposal must represent a radically new and exciting concept which, if not followed up quickly, would result in a serious loss to the advancement of scientific research in Canada.

The initiative in submitting applications for immediate support rests mainly with the Department Chairmen of Canadian universities. A Department Chairman who discovers that a member of his staff has developed a new research idea of the type described above may invite the scientist concerned to submit an application on the usual form, and, with the approval of the University authorities, may forward the application to NRC for immediate consideration at any time.

Each proposal for immediate support must be accompanied by a covering letter from the Department Chairman, indicating

- that this is a submission for immediate consideration of a new research idea;
- in detail, the nature and scope of the new research idea;
- the degree of urgency in providing immediate support including the reasons why consideration of the request cannot be delayed until the next annual application, and the advancement in scientific research to be gained from pursuing it at once;
- the contribution, if any, which the University is prepared to make towards the research idea.

It is expected that Department Chairmen will exercise the utmost discretion in selecting proposals for immediate support of new research ideas and that only in exceptional circumstances will such a need arise.

Further details about this program can be obtained from the Office of Research Administration.

Department of National Defence Scholarship and Fellowship Program

Field of Study: Strategic studies of special relevance to current and future Canadian security. Studies may relate to any of the economic, political, military, technological or sociological dimensions of national security. Applications are encouraged from a wide range of disciplines falling within the framework of strategic studies.

Note: Strategic Studies - The attempt to understand the interrelationship between:

- national resources: Military, industrial, economic, demographic, geographic, psychological;
- national objectives; and
- external opposition to these objectives, in particular where the actual or implied use of force may be involved to some degree.

Value: Fellowships and scholarships are valued at \$10,000 and \$6,000 respectively. These sums are intended to cover tuition fees and all other expenses related to the award.

Number: Normally, 1 Fellowship and 4 Scholarships are offered. However, the number of awards in each category may vary from year to year, but will not exceed an aggregate annual expenditure of \$35,000.

Duration: The duration of the award is at least one year, and these may be renewed on evidence of academic achievement satisfactory to the Selection Committee.

Conditions: Applicants must be Canadian citizens.

Candidates for a fellowship must, before the closing date of the competition, hold a Ph.D. degree or equivalent level of knowledge or experience in the field considered adequate by the Selection Committee. Candidates for a scholarship must hold an Honours Bachelor's degree or its equivalent before taking up the award. Scholarship winners and Fellows may not hold concurrently any other major award.

On completion of a fellowship or scholarship one copy of a thesis or reasonably detailed account of the research done must be submitted to the Awards Officer, National Programs Division, Association of Universities and Colleges of Canada, who will in turn forward it to the Department of National Defence.

Tenable: Fellowships and scholarships are normally tenable at suitable locations in Canada. In special circumstances, permission may be granted to undertake studies outside Canada.

Further Information: Mrs. Pat Rhodes, Faculty of Graduate Studies, University Centre.

Closing date for completed applications at the AUCC is MARCH 1.

Continued NRC Publication of Science Journals in Jeopardy

The publication of eleven National Research Council sponsored science journals may soon be transferred to the private sector. Federal Treasury Board has directed the NRC to come up with firm plans for contracting out publishing activities by October, 1978.

Treasury Board has agreed to an NRC request to delay a final decision until a report on science publishing in Canada, being prepared by a Royal Society of Canada Committee, becomes available on December 15th.

Various scientific groups have made submissions to the Royal Society Committee, and express fears that the internationally recognized quality of the NRC sponsored journals will decline as a result of this move. Few publishing companies in Canada possess the expertise required for the publication of top-notch scientific journals. The costs of publication could increase as a result of a transfer to the private sector. Scientists who perform editorial and reviewing work for the NRC free of charge may not be willing to continue this practice

for commercial publishers. Administrative and other services presently provided by the NRC, a non-profit agency, would become explicit costs to commercial publishers, who are subject to taxation, and expect to meet all costs plus secure a profit.

The additional costs might be reflected in increased subscription rates and page charges, which would simply represent a transfer of financial responsibility from one arm of government to another, as most journal subscriptions are held by university libraries, and page charges might be allowed as a research expense in grant applications. Alternatively, publishers could try to cut costs by moves which could result in lower quality publications. Prominent Canadian scientists might then prefer to publish their findings in American journals.

Dr. Jim A. Morrison, of the Chemistry Department at McMaster University, is chairman of the Royal Society Committee. Submissions regarding this matter may be directed to him. Additional information on this issue is available in the office of Research Administration.

Cottrell Research Grants

Cottrell research grants are given to help academic scientists conduct basic research of originality and importance in the physical sciences and engineering at private and public universities.

The emphasis of this program is support of fundamental investigations performed by young faculty members in the early years of their professional careers. More speculative research of established investigators also is eligible for consideration.

Support may be provided for projects under the direction of a single investigator, or for joint projects involving two or more investigators from the same or different academic departments.

Research Corporation seeks to place Cottrell Research Grants in situations of genuine opportunity where relatively modest but well-timed support can lead to significant contributions to scientific knowledge and to the development of the investigator, his students and his institution.

Scientific significance is a prime criterion in the evaluation of research proposed. Competition for these grants demands that the work proposed be sufficiently challenging to require the investigator's best efforts and that it contribute toward the solution of an important unsolved problem.

common supplies and services—including such items as faculty salaries, secretarial assistance, publication charges, and scientific meeting travel expenses—are considered a responsibility of the applicant's institution and are, therefore, inappropriate budgetary items.

Support normally is given to help initiate research. Applications for assistance in furthering work previously receiving support from outside sources or in augmenting such funds generally are discouraged.

Grants usually are made on a one-shot basis with no time limitation. Consideration may be given in certain circumstances to re-application for additional support.

APPLICATION FOR GRANT

An investigator intending to apply for a Cottrell Research Grant should describe his project succinctly in a letter addressed to the **Regional Director of Grants Dr. Hal H. Ramsey, Research Corporation, 1290 Bayshore Highway, Burlingame, California, 94010.** The following points should be covered in a page or so:

- Significance of the research; why it is worth doing and how it will contribute to the solution of an important problem.
- Experimental plan, including any unusual or innovative features.
- Budget—with justification for the items mentioned specifically above and an indication of the role of any students in the research.
- Institutional or other contributions, available or expected, toward the direct expenses.
- Sources, amounts and duration of any current, anticipated or requested support for other research, whether related or unrelated to this project.
- Applicant's position and principal previous employment.

On receipt of this information, if it appears that an application would be in order, forms will be furnished.

SUPPORT PROVIDED

Cottrell Research Grants are made for items of direct expense essential to the prosecution of the research proposed.

In general, these include special equipment and supplies, and undergraduate or graduate summer research fellowships. In the case of expensive equipment which will find continuing use beyond the immediate project, a contribution toward the cost will be required from the applicant's institution. Requests for student academic year stipends and for post-doctoral support are not encouraged.

In keeping with the research grant-in-aid philosophy, assessments for indirect costs,

Invitation for Contract Research Proposals National Research Council

The NRC Associate Committee on Scientific Criteria for Environmental Quality invites the Canadian Academic Community to submit proposals for contract research consistent with its program concerning the effects of contaminants on receptors. Priority will be given to proposals dealing with the following topics:

1. Infective levels of water-borne viruses for man.
2. Biological effects of sulphate aerosols.
3. Biological effects of polycyclic aromatic hydrocarbons and related environmental pollutants.
4. Behavior and effects of pesticides, specifically phosphates and carbamates, in the environment.
5. Dose-effect relation for the actions of pesticides on biota.
6. Metabolism and effects of environmental lead in children.
7. Sub-lethal effects of lead on critical receptors.
8. Correlation of the daily inhalation with lead with observation of the internal exposure to man.
9. The role of sediments in the transport of pollutants through aqueous systems and the effects of such absorbed pollutants.
10. Zinc and copper toxicology in fish.
11. Effects of pulp and paper bleach stream effluents with particular attention to chlorinated moieties.
12. Development of a system for defining problem areas of man/environment interaction.
13. Bioassay for mutagens and carcinogens arising from environmental contaminants.
14. Aerosols as vectors for transmission of microbial pathogens.

A set format or application form is not required, and there is no deadline for the receipt of proposals. Applicants should forward a short description of their proposed research together with the estimated time and cost to the Dean of Graduate Studies for transmittal to the National Research Council.

Further information is available in the Office of Research Administration, including a list of additional topics for contract research of interest to the Committee.

University of Stockholm-Institute for English-Speaking Studies

The International Graduate School at the University of Stockholm offers to students with an adequate background in either sociology, economics, political science or international relations the following opportunities:

1. to enroll in a social science seminar programme in a non-English speaking country — in fact one of the very few European university programmes where English is the language of instruction,
2. to participate in seminars in which the Swedish experience in selected fields is contrasted against similar experiences in other countries,
3. to have an opportunity for research in fields which are relevant both to the student concerned and to his fellow students,
4. to acquire an adequate knowledge of the Swedish language as a preparation for research based on Swedish and Scandinavian source material, and as a way to a better understanding of Scandinavian culture.

Prior knowledge of the Swedish language is not required. Language courses are offered at the Institute.

The Institute's International Graduate School offers seminars in:

Politics	International Relations	Social Welfare
Mass Media	Development Studies	Urban Policy
Administration	Economic Policy	Criminology
Social Structure	Modern Industrial Society	

A Stockholm Junior Year Program is available for undergraduates, offering courses in:

Archaeology	Politics	Social Welfare
Art	Cinematics	Mass Media
literature	International Relations	Criminology
History		

Further information is available from: Mrs. Pat Rhodes
Faculty of Graduate Studies
University Centre

The application deadline is March 1, 1978.

Emergency Planning Encourages Disaster Research

Purpose:

The purpose of the fellowship is to encourage disaster research and emergency planning in Canada by developing a number of qualified professionals in this field. After completion of their studies, E.P.C. Fellows have no formal obligation to the sponsoring agency, but it is hoped that exposure and training in this area will foster a continuing interest, especially in Canada.

Field of Study:

Research on human behaviour under stress, focusing on reactions of groups and organizations in natural, technological, industrial and other disasters, and the delivery of emergency services to victims in community-wide crisis situations.

Where Tenable:

The Disaster Research Centre, Department of Sociology, The Ohio State University, Columbus, Ohio, U.S.A. 43201.

Value:

\$6,000 (US) per annum plus tuition and com-

pulsory fees, plus a supplementary award of \$1,500 for married fellows where the wife or husband accompanies the Fellow and is resident in the U.S.A.

Number:

One offered annually.

Duration:

Three years — in most cases.

Conditions:

Preference will be given to Canadian residents who hold a Master's degree in Sociology or other suitable discipline. However, candidates with a first degree in Sociology will also be considered.

Closing Date for Receipt of Completed Applications: Mar. 1

Further Information and Application Forms:

Mrs. Pat Rhodes
Faculty of Graduate Studies
University Centre

Ford Foundation supports Research on International Economic Order

The Ford Foundation invites applications from scholars at universities and research institutions for their 5th worldwide competition designed to encourage and support research related to the international economic order.

Preferred Research Areas

1. The International Transmission of Economic Disturbances.
2. The Organization of the World Monetary, Investment and Trade Systems.
3. The Relationships among Trade and Investment, Income Distribution, and Economic Policy.
4. Trends and Policies in Commodity Markets.
5. International Resource Allocation, Location of Industry and Transfer of Technology.
6. The Politics of International Economic Relations.

These topics may be interpreted broadly. Potential grant applicants are encouraged to find new sub-areas, to fit together parts of areas, and to think about research projects that cut across areas. This round of the competition will attach priority to policy-relevant research. Since the research focus is on international economic relations, country-specific work without international implications is not encouraged.

Eligibility

There are no special eligibility criteria, but demonstrated research ability, knowledge of the issues in international economic order,

and previous experience in relevant social sciences are necessary if a proposal is to be competitive.

Closing Date and Notification

Formal proposals must be received by the Ford Foundation by **March 15, 1978**. Proposals must be received by the Office of Research Administration by **March 1, 1978**.

Evaluation and selection will be as prompt as possible. It is expected that applicants will be notified by June, 1978.

Evaluation of Proposals

It is anticipated that between 6 and 12 research proposals will be funded. Proposals will be evaluated following the closing date of March 15, 1978. Selections will be made with the help of an international committee of external referees in the social sciences, particularly in economics and political science, as well as the relevant offices and divisions of the Foundation. Decisions will be based on: (1) the relevance of the proposed research to important issues in international economic order, (2) its potential contribution to understanding and policy choice in the areas, and (3) its use of appropriate analytical tools.

Application Procedures

Further information on application procedures may be obtained from Mrs. Mae Peters, Office of Research Administration.

Deadline Reminders

AGENCY	OFFICE OF RESEARCH ADMINIS- TRATION DEADLINE	AGENCY DEADLINE
American Council of Learned Societies Travel Grants	Feb. 15	March 1
Association of Commonwealth Universities Commonwealth Travel Fellowships for University Administrators	Feb. 14	Feb. 28
Banting Research Foundation Grants-in-Aid	Feb. 15	March 1
Bronfman Foundation Business Faculty Awards	Feb. 4	Feb. 18
Canada Council Explorations Programme Government of Canada Dept. of Labour Grants-in-Aid	Feb. 15	March 1
International Development Research Centre (Canada) Research Associate Awards	Feb. 1	Feb. 15
Koerner Foundation Grants-in-Aid	Feb. 15	March 1
Muscular Dystrophy Association of Canada Research Grants	Feb. 14	Feb. 28
U.S. Dept. of Health, Education & Welfare	Feb. 15	March 1

Oil Company Offers Research Grants

Purpose

To encourage research at Canadian universities in areas of interest to the petroleum, petrochemical and energy industries. These areas include the fields of environmental, earth, engineering and chemical sciences. The grants are also to encourage research in the socio-economic and social sciences pertaining to relationships between the above industries and their employees, customers, and the business environment in which they operate.

The grants for specific research projects are made to full-time faculty members, for support of research work carried out by university students under their direction.

Selection

Selection of award winners by Imperial Oil's Committee on Higher Education is made on a competitive basis. Insofar as quality of research projects permits, grants will be distributed as equitably as possible among Canadian universities. Research topics and the potential significance of the results are of primary importance. Preference will be given to self-contained research projects, although projects that are a definitive segment of broader research will be considered.

Criteria for Selection

- Industry Interest: The research should relate to the petroleum, petrochemical or energy industries.
- Originality: The proposed research should involve originality in the topic, objective, or methodology rather than the extension of existing research.
- Significance: Anticipated results of the work should provide potentially significant benefits to society or expand the knowledge of the science involved. Knowledge gained should have the potential for practical application.
- Research Approach and Methodology: The research plan should be practical and

of sufficient depth to foster confidence in the conclusions.

- Capability and Experience: The academic or industry-research record of the applicant and the significance of previous research should indicate the capability for well-conducted research and the probability of successful results.
- Use of Funds: The applicant's proposed budget should provide for training of graduate or undergraduate students. Where major use of a computer is contemplated, it should be itemized as an expense. Likewise, where unique, rare or special materials or chemicals are required for the project, their costs should be included separately on the proposed budget. There is no provision for the purchase of general-purpose equipment or overhead expenses. Rental or purchase of specialized equipment not available in the locality will be considered if clearly identified.

Grants

Amount: The individual grants range up to a maximum of \$6,000 depending on the budgets for the proposed research and the availability of funds.

Tenure: Grants are made for one year and may be renewed annually for a maximum tenure of three years. The amounts for renewal grants will depend on the requirements of the research, progress to date, and the availability of funds.

Cheques are payable to the university for the exclusive use of the faculty member for the research project on which the application is based.

Application Procedures

Application forms may be obtained from Mrs. Mae Peters, Office of Research Administration. Completed applications are due at the Office of Research Administration by **Dec. 31, 1977** for transmittal to Imperial Oil Limited by **Jan. 16, 1978**.

National Health and Welfare Offers Funding

The Department of National Health and Welfare invites proposals for funding under the National Health Research and Development Program (NHRDP) for research in the following areas:

Long-range health planning; Health status and health systems; and Health protection.

NHRDP support for research encompasses awards available to graduate students, faculty members, and groups of researchers.

Application Procedures

Anyone interested in applying for support should consult the NHRDP Contributions and Awards Manual (1975-76) to determine the appropriate category of support for their research, and appropriate application procedures. The manual is available for refer-

ence in the Office of Research Administration, University Centre.

Applications for studies, research, demonstration and preliminary development projects must be submitted to the NHRDP by **January 31** for funding on or after July 1 of the same year, or by **July 31** for funding on or after January 1 of the following year. Completed applications for faculty research proposals must be received by the Office of Research Administration 2 weeks prior to the above dates.

Conference, Seminar or Workshop applications, as well as applications for assistance in formulating complex proposals, are accepted anytime, and in most cases funding of approved submissions can commence within 3 months.

CMHC Graduate Scholarships

Scholarships for 1978-79 will be awarded by the CMHC for full-time graduate study in fields related to housing and the housing environment. Scholarships are awarded for one year, starting in September, 1978.

Eligibility

To qualify for a scholarship, candidates must be Canadian citizens or have become landed immigrants in Canada no later than September 15, 1976. As the program is funded by the Canadian Government, CMHC scholars may not hold awards from any other Government of Canada source, including the Canada Council, the National Research Council and other government agencies and Crown Corporations.

With the permission of the CMHC, holders of CMHC scholarships may accept additional fellowship assistance from sources other than the Government of Canada.

Fields of Study

The CMHC is especially interested in social, physical, economic and management concerns when they relate to understanding and dealing with housing in its urban and regional environment. To be considered for an award, the program of study must relate

specifically to one of these areas of concern.

Value of Scholarship

Over the twelve-month period, the holder of a University Scholarship will receive a personal allowance of \$5,100 plus the cost of travel from residence to place of study, university tuition fees, and \$900 for each dependent child. Payment of benefits is made in three equal installments covering the periods September-December, January-April and May-August. Payment is made only as long as the scholar is a full-time graduate student in good standing as certified by the university. The student may apply for renewal as many as three times.

Application Procedures

Application forms and further information may be obtained from Mrs. Pat Rhodes, Faculty of Graduate Studies, University Centre.

Closing Dates

Applications must be sent to the CMHC by the University no later than **March 15, 1978**. Completed applications must be received by the Faculty of Graduate Studies by **March 1, 1978**.

Handbook on Awards

A 228-page handbook on awards for Commonwealth University staff has just been published. This revised and enlarged new edition of a unique guide provides basic information about sources of financial aid for academic and administrative staff who wish to undertake research, make study visits, or teach for a time in a Commonwealth country other than that in which they live. It lists fellowships, visiting professorships and lectureships, travel grants etc. and covers all fields of study in which there are university facilities.

A new appendix lists some published guides to foundations and trusts, including Allan Arlett's "Canadian Directory to Foundations and other Granting Agencies". The

other appendices contain (as before) brief notes on: (a) awards tenable at certain non-university institutions; (b) organisations (such as the ACU, the AUCC or CIDA) which provide appointments services or recruit consultants or experts; and (c) some forms of financial help not covered elsewhere in the book, e.g., in respect of interdepartmental links, equipment, conferences and local training programmes.

One copy of the handbook is available for reference at the Office of Research Administration, University Centre. Order forms are also available by phoning Mrs. M. Peters at local 4896. The handbook costs \$6.50 per copy.

ringers

The scene is being set for international students at UVic to mingle with one another and with campus administrators at a wine and cheese party scheduled for Jan. 21. The event is being held by the international students' committee of the Alma Mater Society. All foreign students are invited and advised to bring student cards to the party in the upper lounge of the Student Union Building between 8 p.m. and midnight.

A faculty recital featuring music by Bach, Griffes, Marcello, Telemann and de Groot will be held Jan. 11 at 8 p.m. in MacLaurin 144. Performers from the music department will be Lanny Pollet, (flute), Erich Schwandt (harpsichord), Winifred Scott (piano), William Benjamin (obo), Alice Benjamin (bassoon) and Linda Hougland-Daniels (cello). Admission is \$2 for students and senior citizens and \$3 for other members of the public.

The third lecture in the Public Lecture Series, offered by the music department in co-operation with the division of continuing education, will be given by Dr. George Corwin (Music) on Jan. 16. The lecture "The Choral Symphony as personified by the Beethoven Ninth" will be of interest to those looking forward to a spring performance of the symphony in the Royal Theatre. The lecture will be at 8 p.m. in MacLaurin 144.

For those who are interested in learning more about proposed changes to the matrimonial laws of B.C., an open forum will be held at the McPherson Playhouse on Jan. 17. The forum is being sponsored by The Law Centre in co-operation with The Victoria Times. Lawyers, laymen and government officials will be present to explain and discuss the Family Relations Amendment Law which was presented to the Legislature on the last day of the last sitting. Terry Wuester (Law) and Marion Cook, (H*SD-3), a student in the School of Social Work, will be among the panelists who will discuss the proposals in order to provide information and stimulate public discussion. The two-hour forum will be free, and open to all interested people, starting at 8 p.m.

The Humanities and Social Sciences Division of the Canada Council has awarded a \$8,790 grant to Leland H. Donald (Anthropology) to study aboriginal slavery on the northwest coast of North America. The grant will enable Donald to hire a research assistant for his project, as well as assist in travel expenditures.

Education Minister Pat McGeer will meet with other education ministers in Victoria Jan. 16 to 18 at the 29th meeting of the council of Ministers of Education, Canada. The agenda includes a review of a council report on minority language education and a meeting with provincial manpower ministers to discuss occupational training programs. Federal Minister of Employment and Immigration Bud Cullen is expected to join McGeer and the other ministers for part of the meeting.

Eight UVic students are going to show UVic how electricity, flame and hot water can be produced at home with minimal environmental damage. The students from Biology 316 (environmental issues) have constructed working models of a solar collector, windmill water pump, windmill electric generator, manpower electric generator and a bio-gas generator, and integrated the models into a self-sufficient home energy unit. The project will be on display from Jan. 16 to 28, during the day, in Cunningham 2115.

The walls of UVic buildings are barer now than they were before the Christmas break. The reason why paintings and other works of art have begun disappearing from view is that Dr. Martin Segger, director of the UVic Maltwood Art Museum and Gallery, wants to take a close look at all of the artwork in the university collection. Buildings and Grounds is doing the collecting, which began with about 70 pieces of art which Segger is considering for the opening display in the new gallery next month. The collection will go on for three or four months until all 600 items have been recalled, and then a new system of returning and rotating the art on campus will be introduced, probably in the summer.

Bilingual dictionary gets another grant

A \$56,000 Canada Council grant has been awarded to Dr. Jean-Paul Vinay to continue the compilation of a new bilingual "Canadian Dictionary" at UVic.

Also named in the grant are editorial consultants Dr. M.H. Scargill (Linguistics), Dr. B. Hunter Smeaton of the University of Calgary, Dr. G.R. Lefebvre of the University of Montreal and research associate Murray Wilton of UVic.

Vinay, former Dean of Arts and Science at UVic, and Wilton have been working on the monumental project since 1971. The 1978 grant brings to \$150,000 the amount of Canada Council grants over the past three years. The Canadian Donner Foundation and UVic have also provided grants.

The bilingual dictionary, described by Toronto publisher Jack McLelland as "the best of its kind in the world", will contain more than 100,000 entries when completed. The target date for publication is now the spring of 1979.

Vinay, a major international figure in the field of linguistics, has produced more than 200 books and articles, among them a small Canadian bilingual dictionary in 1962.

Vinay and Wilton are using a computer at UVic to compile, arrange and edit the dictionary which will feature an entire section on Canadian abbreviations and acronyms.

McLelland, of McLelland and Stewart of Toronto which will publish the dictionary, predicts that world-wide sales will easily surpass 300,000 copies. The dictionary will be released simultaneously in Paris, New York, London and Toronto.

news bullets

The University of Alberta has established student quotas for at least 13 faculties as a means of controlling growth in the face of financial restraints. To discourage "no shows", applicants entering quota programs will have to pay a \$50 deposit before their acceptance is final.

Dr. John Buttrick of the department of economics at York University has prepared a report for the Ontario Economic Council stating that post secondary tuition fees should be allowed to rise until they cover nearly the full cost of teaching. In his brief he says he found the case for subsidization of post secondary education very weak, except for research and public service components. The thrust of his report is to introduce more competition into post secondary education to reduce waste, induce institutions to be more responsive to students' curricular demands and give public support to the non-instructional activities of these institutions. Buttrick recommends direct subsidies on a cost-effectiveness basis be made to institutions engaged in socially valuable research, public service activities or to those making cultural contributions. Grants, he says, should be made directly to students who will provide net benefits to society.

An economist from the University of Manitoba, Dr. Reuben Bellan, suggests Canada declare war on Britain as a way to spur employment, cut inflation and spur the economy. In a tongue-in-cheek article in the *Toronto Star* he says he makes the suggestion "without the slightest shred of nationalistic animosity".

Bellan points out that the war could be limited to air and naval battles over the Atlantic Ocean "where it would take only a little care to ensure that absolutely all projectiles fall harmlessly into the water." The war, he adds, could help Canada achieve full employment, bring about an explosion of economic opportunities, open new research doors for university graduates, knock out inflation and perhaps even bring about national unity as the Quebecois might enthusiastically join "in a national effort against the people who had conquered their forefathers".

Members of the Italian department at the University of Toronto are studying what they call Italese so they can help second-generation Italo-Canadian students unlearn their home language and begin to master standard Italian. Italese is a brand new hybrid tongue somewhere between Italiano and Inglese.

Stats Can says there are 369,514 students enrolled full time at universities across the country along with 184,614 part-timers.

The Irish Times of Dublin calls a symposium slated for the University of Toronto in February "the most ambitious gathering of Celtic and Irish scholars and personalities ever to be held in North America". "Canada and the Celtic Consciousness" is sponsored by the new Celtic Arts Association and the Canadian Association for Irish Studies.

Bruce Hutchison, author and editor of the Vancouver Sun, has officially presented his personal papers to the Canadian Studies Collection at the University of Calgary. The papers include correspondence with Lord Beaverbrook, James Cagney, John Diefenbaker, Lester Pearson, Richard Nixon and Pierre Trudeau. Also included is a sealed envelope which has a note attached: "Without my specific permission and under conditions prescribed by me, this envelope is not to be opened during my lifetime, or after my death, while Pierre Trudeau and John Turner are still in politics."

England's University of Lancaster will be the site of the fourth International Conference on Higher Education next August. The theme will be "exploration of implications of treating post-compulsory education as a single integrated system."

The University of Toronto has acquired the papers of one of the most influential scholars of the century, Jacob Bronowski, best known in Canada for his BBC television series "The Ascent of Man". The collection includes his books, essays, lectures, films and most of his professional papers. It was donated to the university by his widow largely because of the university's interest in "scientific humanism", a concept that dominates much of his work.

letters

Dear Sir:

"There will be more Classics" at UVic. — That's the announcement of *The Ring* (Dec. 14, 1977).

Enlightening that the term "basketball" might become synonymous with "Classics" at this University, isn't it...!?

A rather new manifestation of "the thing" the Greeks had about "sound body and sound mind" (!) Walter Riedel

Germanic Languages & Literature



(Letters to the editor will be published if signed and without libellous content. Letters are subject to editing to meet space requirements.)

The *Ring* is normally published every second Wednesday. The deadline is the Wednesday prior to publication. Material contained in *The Ring* can be reprinted or broadcast freely without permission. Credit is not necessary but would be appreciated.

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notebook

With this edition, *The Ring* moves to a weekly format, on an experimental basis. We'll be publishing four-page issues every Wednesday. We feel the change gives more immediacy to *The Ring's* coverage of campus activities than the schedule of publishing every second week.

While we will be publishing four-page editions on a regular basis, there will be expanded issues and special issues during 1978 which marks the 75th anniversary of the first university courses taught at UVic's predecessor, Victoria College.

Deadlines for submission of material from faculty, staff and students remain as before. Submissions must be in the Information Services office by 4:30 p.m. one week before each publication date.

In this issue *The Ring* is carrying an insert from the office of research and administration. This insert is distributed with *The Ring* as a service to the university community.

John F. Driscoll
Editor

notices

A free showing of the National Film Board presentation, "Bethune" is scheduled for the Student Union Building Theatre, Jan. 17 at 12:30 p.m. The 58-minute film is the first in a series of free films to be presented by the Alma Mater Society and the NDP Club on campus.

Professor Fang-Kuei Li of the University of Hawaii is the guest speaker tonight at the sixth linguistic colloquium sponsored by the Linguistic Circle of

Victoria. He will speak on "Tones in Chinese and Thai" at 7:30 p.m. in the Gold Room of the Commons Block. The colloquium is open to the public.

Derek Pethick, author of "First Approaches to the North West Coast" will speak at the University Women's Club general meeting, Jan. 18, at 8 p.m. in Room 163, Cornett Building.

Seeking a definition of campus pros

About 25 individuals and groups have written to Librarian Dean Halliwell to let him know what they think he should consider when he defines their status and terms of employment at UVic.

In his new position as assistant to President Howard Petch for staff relations, it is Halliwell's task to determine the status of about 170 full-time and some part-time administrative and academic professional employees on campus.

Halliwell sent out a letter in October requesting staff to submit their views on the matter to him by Dec. 1. He said that the deadline was flexible and anything still in the works would be accepted past the deadline date.

There is now no one document specifying the terms of employment of the administrative and academic professional group. It's status is less well-defined than that of faculty members who are governed by the tenure document, and the office, technical, main-

tenance, food service staff, and outside workers who are members of two CUPE locals.

"I am not aware of any specific problems, but the people in this group don't now know who makes decisions on matters such as appointments, promotion, salary increases and dismissal procedures. There is not a great cohesiveness among the group in that there are some 80 different job titles, among about 160 people, said Halliwell.

Halliwell said he cannot now make precise projections on when he will complete the assignment, but he is aiming for a Spring completion. He would like to establish the mechanisms for evaluating staff which affect salary increases by the end of March. Up to now patterns on these decisions have varied across the campus, he said.

Halliwell will also be involved in compiling an information booklet to provide people in the group with information about their terms of employment in one package.



Participating in an orange juice break with two-year-olds at UVic's newest day care facility are, from left, Margaret Carr, supervisor of the new centre, President Howard Petch and Lucille McKay, day care co-ordinator. UVic now has three centres for 55 children, aged two to five, and is the only day care centre licenced in Victoria for two-year-olds. The newest centre is the former Canada Manpower office which has been moved to an area near the Saunders Building, with Manpower moving to the University Centre. Renovations to the day care facility were provided through a fund drive involving alumni, faculty and staff at UVic.

Senate rules on duplicate essays

The fate of students who deal in duplicate essays was decided by the Senate at its Dec. 7 meeting.

The decision went in students' favor, provided they meet two conditions.

First, students who wish to submit the same essay for two courses must inform both instructors of their intention to submit a duplicate essay or assignment. Second, they must receive written permission from both instructors before proceeding.

The issue of duplicate essays and whether they should be governed by regulations was raised at a Senate meeting one year ago. There was uncertainty about their use, due to the lack of a university-wide regulation

and differing attitudes among professors.

After studying responses to the topic from all faculties and schools the Senate committee on teaching and learning reported to the Senate that they felt it desirable to have a university-wide regulation.

"It is conceivable that a duplicate essay might be appropriate for two courses in different faculties and therefore a regulation covering all faculties and schools should be adopted," stated the committee's report.

Various faculty members discussed the topic at length before the final motion was passed.

"I would expect considerably higher standards if I knew that it was to be a duplicate essay," said Reg Mitchell (Chemistry).

"What if a student essay passes on one course and doesn't pass in the other?" asked Frank Robinson (Chemistry).

"As a personal observation, I think it would be a very difficult thing, to ask professors, in advance, to give permission," said President Howard Petch.

The committee's original three-part recommendation was amended, then voted down by Senate by a vote of 19 to 18.

Senator I.D. Pal then moved that two parts of the recommendation be voted on, and this was passed by a substantial majority.

The rejected, amended subsection said that an essay or assignment to be submitted for two courses is acceptable only when both instructors are satisfied that the work involved will be sufficient for the credits with which his course is concerned.

Pal said this subsection was "full of difficulties" and would result in a flood of appeals to the Senate.

Club fights 'clique' image

The UVic Sailing Club has been attracting members at a fairly good clip this year and will widen its scope of activities in the spring.

Club president Geoff Severide (A&S-4), said the group is trying to generate even more interest among university students, staff, and faculty.

"We are working to counter the impression that the sailing club is composed of a small clique. Most clubs on campus are social organizations, while our own club has put emphasis on learning skills of sailing," said Severide. "We will have to emphasize the social aspect as well."

The sailing club membership list has always warmed up through each year," said Severide. Last summer the club involved approximately eighty people. Its total sign-up after clubs day in September was 10 members but that number had grown to 38 by the first of December.

The purchase this fall of two laser craft for \$13,000 each means the club now owns ten boats. The club originally docked at Cadboro Bay with six mini-sails which at this point are 12 years old.

Both the mini-sails and the lasers are approximately 14-foot, one person craft. The mini-sails, now obsolete and not being produced, are characterized by rigid rigging.

The lasers on the other hand have a more complex and adjustable rigging.

The club offers sailing lessons on the weekends at \$12 for six hours of instruction. The student learns on the simpler mini-sails with the instructor circling in a laser craft giving on-the-spot directions.

Membership fees are \$20 per 12 month period starting in September. Memberships taken out in mid-year are pro-rated to cover only the remaining months.

The club is limited to one-person craft because of the storage limitations at the Oak Bay marina.

"Our next move will be to move from Oak Bay. Then we can get some two-man craft which are much better for teaching," said Severide.

The first club activity in January will be a regatta, January 14-15, probably at Shawnigan Lake. The competition will be open to all universities in the north-west.

The club is also planning weekends of informal racing both for fun and practice. At least one of these weekends will culminate in a social event open to non-members as well.

Being planned after January is an informal sailing club day at the Oak Bay marina. On the same lines as an open house, the club will offer rides in the boats and information for interested people.

Bus passes now available

The Alma Mater Society is selling bus passes in the Student Union Building this week.

For \$40, a student can obtain a pass, valid from Jan. 9 to Apr. 14, good for unlimited travel on B.C. Hydro buses in the city. About 900 students purchased full-year and first-term bus passes in September and AMS President Brian Gardiner is hoping that students who purchased first-term passes will renew and that at least an additional 100 passes will be sold.

The bus pass program was introduced at UVic in September, 1976, as a pilot project. B.C. Hydro announced cancellation of the program at the end of the first year but AMS and UVic administrators persuaded Hydro to re-instate the bus pass system for 1977-78.

calendar

Wednesday, January 11th.

7:30 pm
Cinecenta films. SUB Theatre. "Edvard Munch".
7:30 pm
Senate meeting. Green Room, Commons Block.
8:00 pm
Faculty recital. Lanny Pollet, flute, with Erich Schwandt, harpsichord, Winifred Scott, piano, William Benjamin, oboe, Alice Benjamin, oboe and Linda Hougland-Daniels, 'cello. Admission charge —Adults \$3.00, Senior Citizens and Students \$2.00. MAC 144.
8:30 to 11:00 pm
Badminton. Bring your own shuttlecock. Old gym.

Thursday, January 12th.

12:30 pm
Fine Arts meeting. MAC 169.
2:00 and 7:30 pm
Cinecenta films. SUB Theatre. "Edvard Munch".
3:30 to 5:00 pm
Petch peevies. Students, staff and faculty welcome. SUB.

Friday, January 13th.

3:30 pm
Arts and Science meeting. ELL 167.
4:00 to 10:00 pm
Victoria Native Basketball Club—Vancouver Island Zone Playoff for men and women. Old gym.
5:00 pm
Men's basketball. Junior Varsity vs. Western. UVic.
7:00 pm
Women's basketball. Vikettes vs. University of Lethbridge. At UVic.
7:30 pm
Cinecenta films. SUB Theatre. "When Worlds Collide" and "War of the Worlds".
8:30 pm
Men's basketball. Vikings vs. University of Lethbridge. At UVic.
11:00 pm
Cinecenta films. SUB Theatre. "Beyond the Valley of the Dolls".
Restricted.
Saturday, January 14th.
8:00 am to 11:00 pm

Victoria Native Basketball Club—Vancouver Island Zone Playoff for men and women. Old gym.
2:15 pm
Men's soccer. Vikings vs Victoria Athletics. Athletic Park.
2:30 pm
Rugby. Vikings vs. J.B.A.A.. At UVic.
7:00 pm
Women's basketball. Vikettes vs. University of Lethbridge. At UVic.
*7:00 pm & *9:15 pm
Cinecenta films. SUB Theatre. "Rocky".
8:30 pm
Men's basketball. Vikings vs University of Lethbridge. At UVic.
Sunday, January 15th.
8:00 am to 6:00 pm
Victoria Native Basketball Club — Vancouver Island Zone Playoff for men and women. Old gym.
2:15 pm
Men's soccer. Vikings vs. Victoria Athletics. Athletic Park.
2:15 pm

Men's soccer. Norsemen vs. Lake Hill. At UVic.
2:30 pm
Rugby. Jutes vs. Castaways. At UVic.
*7:00 & *9:15 pm
Cinecenta films. SUB Theatre. "Rocky".
7:00 to 10:00 pm
Badminton. Bring your own shuttlecock. McKinnon gym.
Monday, January 16th.
7:00 pm
Board of Governors meeting. Gold Room, Commons Block.
8:00 pm
Public lecture series. "A Word About Music", Lecture III, Prof. George Corwin: The Choral Symphony as personified by the Beethoven Ninth. No admission charge. MAC 144.
3:00 & 7:30 pm
Cinecenta films. SUB Theatre. "In the Name of the Father".
Tuesday, January 17th.
12:30
tuesdaymusic. Free noon hour concert. MAC 144.